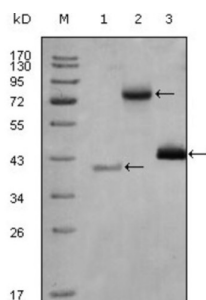
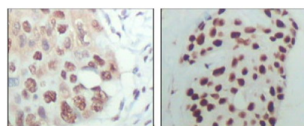


Histone Deacetylase 3 (HDAC3) Antibody

Catalogue No.: abx015752



Western blot analysis using HDAC3 antibody against truncated Trx-HDAC3 recombinant protein (1), full length HDAC3-hlgFc (aa1-428) transfected CHO-K1 cell lysate (2) and Hela cell lysate (3).



Immunohistochemical analysis of paraffin-embedded human esophagus cancer (left) and breast carcinoma tissue (right), showing nuclear localization with DAB staining using HDAC3 antibody.

HDAC3: histone deacetylase 3, also known as HD3, RPD3, RPD3-2. Entrez Protein NC_000005. Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene.

Target: Histone Deacetylase 3 (HDAC3)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, IHC

Host: Mouse

Recommended dilutions: ELISA: 1/10000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Purified recombinant fragment of HDAC3 (aa224-428) expressed in E. coli.

Datasheet

Version: 3.0.0

Revision date: 06 Sep 2025



Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O15379 (UniProt , ExPASy)
Gene Symbol:	HDAC3
GeneID:	8841
OMIM:	605166
HGNC:	4854
Ensembl:	ENSG00000171720
Molecular Weight:	48.8 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.